DROP AND BLOCK WIRING

GUARD ARM HOOKS INSTALLATION AND REQUIREMENTS

1. GENERAL

1.01 This practice covers the installation of guard arm hooks, and the methods of running drop wires from guard arms.

2. GUARD ARM HOOK INSTALLATION

2.01 A properly installed guard arm is shown in Figure 1.

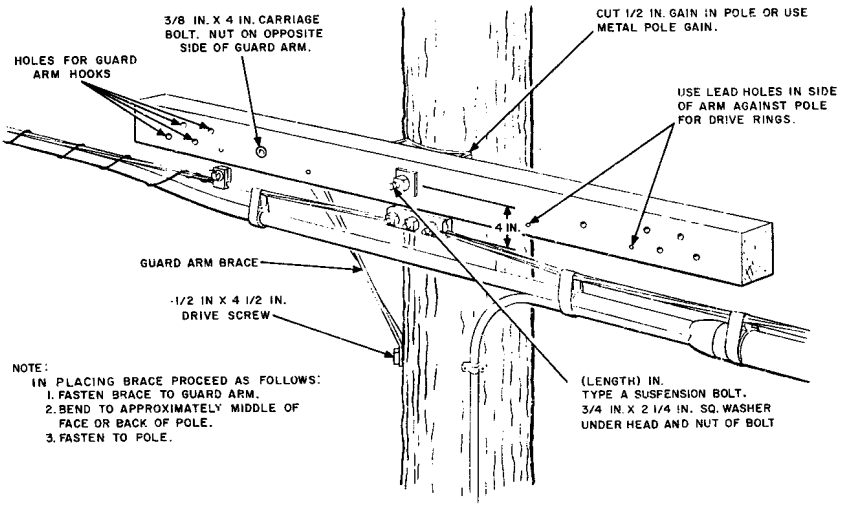

FIGURE 1. Guard Arm Installed

2.02 A metal pole gain installed (as shown in Figure 2) may be used to avoid the necessity of cutting a gain in the pole.

2.03 Guard arm hooks are used to attach wires to guard arms and also to cross arms other than the DE-type when more than two drop wires must be attached to the same hook. On a guard arm, install the hooks in the holes provided at the ends of the guard arm. See Figure 3. When the guard arm hooks are used on a crossarm, it may be necessary to drill a 9/16 or 5/8 inch hole for each hook required in the side of the crossarm. Center the hole between the top and bottom of the arm and between pins or closer to the pole if adequate clearances can be obtained and climbing space is not obstructed.

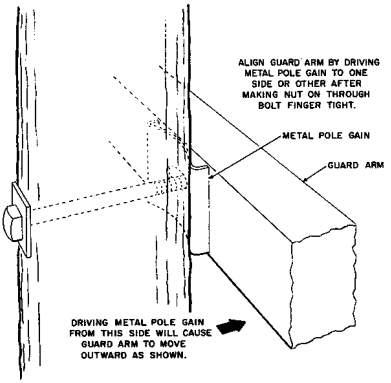

FIGURE 2. Metal Pole Gain Installed

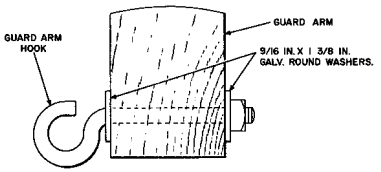

FIGURE 3. Guard Arm Hook Installed

2.04 A total of five drop wires, pulling in any direction, may be attached to one guard arm hook. When placing B or C multiple drop wire, consider one multiple drop equal to three drop wires.

3. WIRE RUNS FROM GUARD ARMS

3.01 Distribute drop wires from a guard arm as shown in Figures 4 and 5.

3.02 Attach the drop wire clamp to the guard arm hook by passing the wire tail of the clamp over the hook. Pass the drop wire through the hook, unless the hook is congested, and secure the drop wire in the clamp. Run the wires on the guard arm and pole in a neat manner with sufficient slack so there will be no strain or sharp bends in the drop wire at the drive rings, hooks, or clamps.

3.03 If brackets and knobs have been previously installed on the guard arm and are in serviceable condition, drop wires may be distributed from vacant grooves of the knobs. No more than two drop wires shall be attached to a T knob or more than one drop wire attached to an S knob.

3.04 When installing, removing, or rearranging drop wires, it may be necessary to place and distribute from a new guard arm hook at the opposite end of the guard arm instead of using an existing hook, in order to balance the load on the guard arm.

3.05 When several drop wires are attached to one guard arm and are run to the same building, it is desirable to distribute from both ends of the guard arm to equalize the load, provided the required climbing space will be maintained.

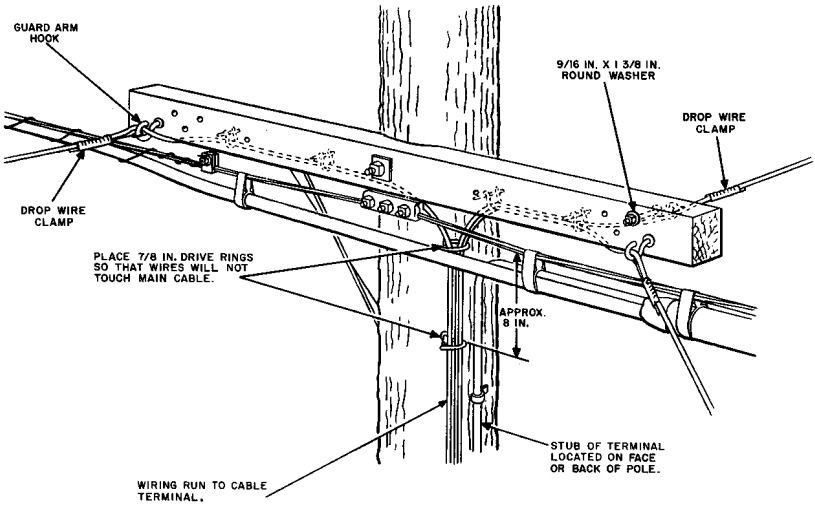

FIGURE 4. Cable Terminal Mounted on Face or Back of Pole

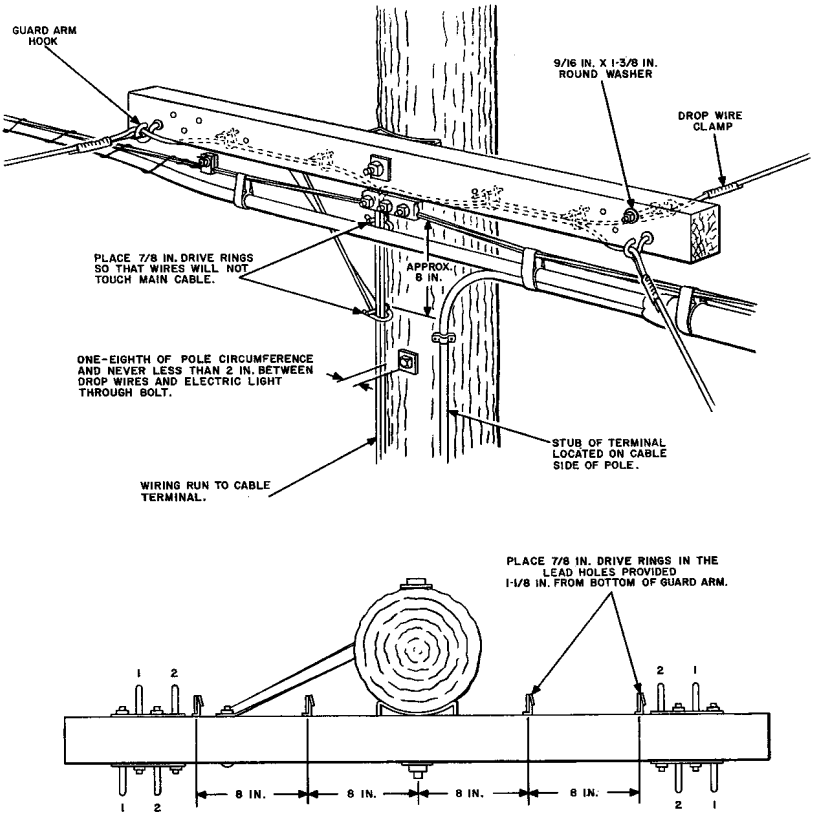

FIGURE 5. Cable Terminal Mounted on Cable Side of Pole

3.06 When making runs along the lead from guard arm to guard arm or from guard arm to pole, dead end the drop wires as shown in Figures 6, 7, and 8.

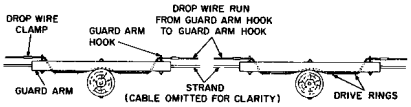

FIGURE 6. Drop Wire Run Along Lead From Guard Arm to Guard Arm

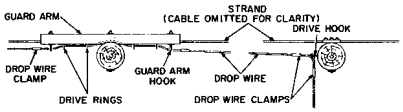

FIGURE 7. Drop Wire Run Along Lead From Guard Arm to Pole

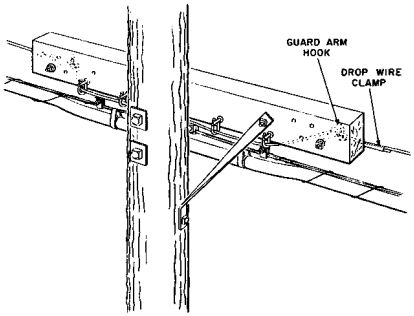

FIGURE 8. Wiring at Intermediate Guard Arm for Run Along the Lead